

Converting between units of time

MODULE 6 · TIME AND MONEY MEASURES

Time units don't go up in tens. Convert in steps: **60 seconds = 1 minute, 60 minutes = 1 hour, 24 hours = 1 day**. Multiply to change to a smaller unit; divide to change to a larger one.

- 2 hours = $2 \times 60 = 120$ minutes.
- 180 seconds = $180 \div 60 = 3$ minutes.



1 hour = 60 minutes

HOW TO ANSWER TODAY

- **Time arithmetic.** Add or subtract minutes first; if you go past 60, carry an hour.
 $10:15 + 2 \text{ h } 30 \text{ min} \rightarrow 12:45$
- **12-hour ↔ 24-hour.** 24-hour uses 00–23, no am/pm. For pm times, add 12 to the hour.
 $3:30 \text{ pm} \rightarrow 15:30 \cdot 08:15 \rightarrow 8:15 \text{ am}$

WARM-UP

1



00:15

On New Year's Eve, Saoirse's family starts a short walk around their local loop at **00:15**, just after the midnight bells. The walk takes **51 minutes** from start to finish. What time do they get back home?

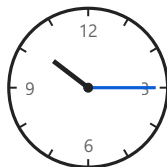
2



The 5th class Camogie team starts training on the pitch at **8:55** am sharp on Saturday morning. Coach writes the start time on the noticeboard in **24**-hour time. What does she write?

PRACTICE

1



Cian's family watches the late news on RTÉ One, which starts at **22:15** on the TV guide. Express **22:15** in **12**-hour time.

2



18:15

Sean's 5th class boards the Irish Rail train from Cork at **18:15** for an evening trip to Dublin. The journey takes **3 hours** and **18 minutes**. What time does the train arrive in Dublin?